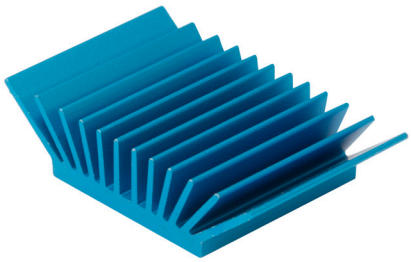
CUI Devices is now Same Sky! Learn More

SERIES: HSE01 | DESCRIPTION: HEAT SINK

FEATURES

- extruded design
- thermal pad option
- aluminum alloy



RoHS

MODEL

		thermal resistance[1]				power dissipation[1]
	thermal pad	@ 75°C ΔT, nat conv (°C/W)	@ 1 W, nat conv (°C/W)	@ 1 W, 200 LFM (°C/W)	@ 1 W, 400 LFM (°C/W)	@ 75°C ΔT, nat conv (W)
HSE01-193175	no	23.43	26.9	8.3	5.7	3.20
HSE01-193175P	yes	23.43	26.9	8.3	5.7	3.20

Note: 1. See performance curves for full thermal resistance details.

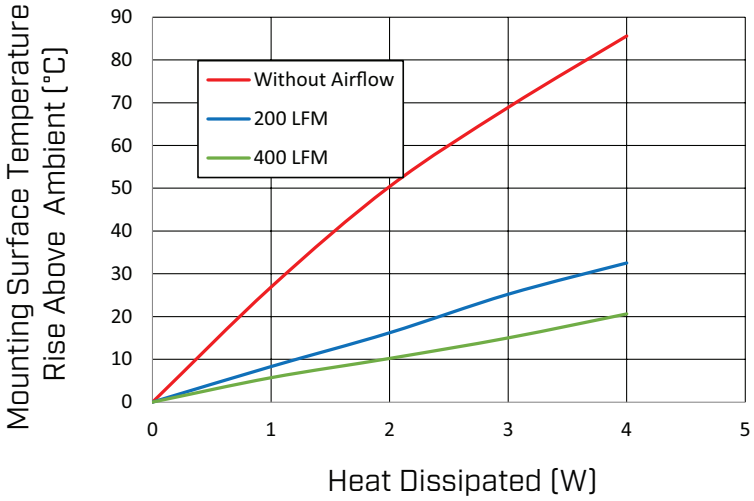
THERMAL PAD SPECIFICATIONS

parameter	test method/conditions/description	min	typ	max	units
material	double sided silicone adhesive				
color	white				
thickness			0.2		mm
specific gravity			1.9		
dielectric breakdown voltage	at 100 µm		300		kV
thermal conductivity			0.7		W/m*K
thermal resistance	at 100 µm, 20 psi		1.82		cm^2*K/W

PERFORMANCE CURVES

	Heatsink Temperature Rise Above Ambient (ΔT = Ths - Ta) (°C)		
Power (W)	Natural Conv.	200 LFM	400 LFM
0	0	0	0
1	26.9	8.3	5.7
2	50.4	16.2	10.2
3	68.9	25.2	15.0
4	85.6	32.5	20.6

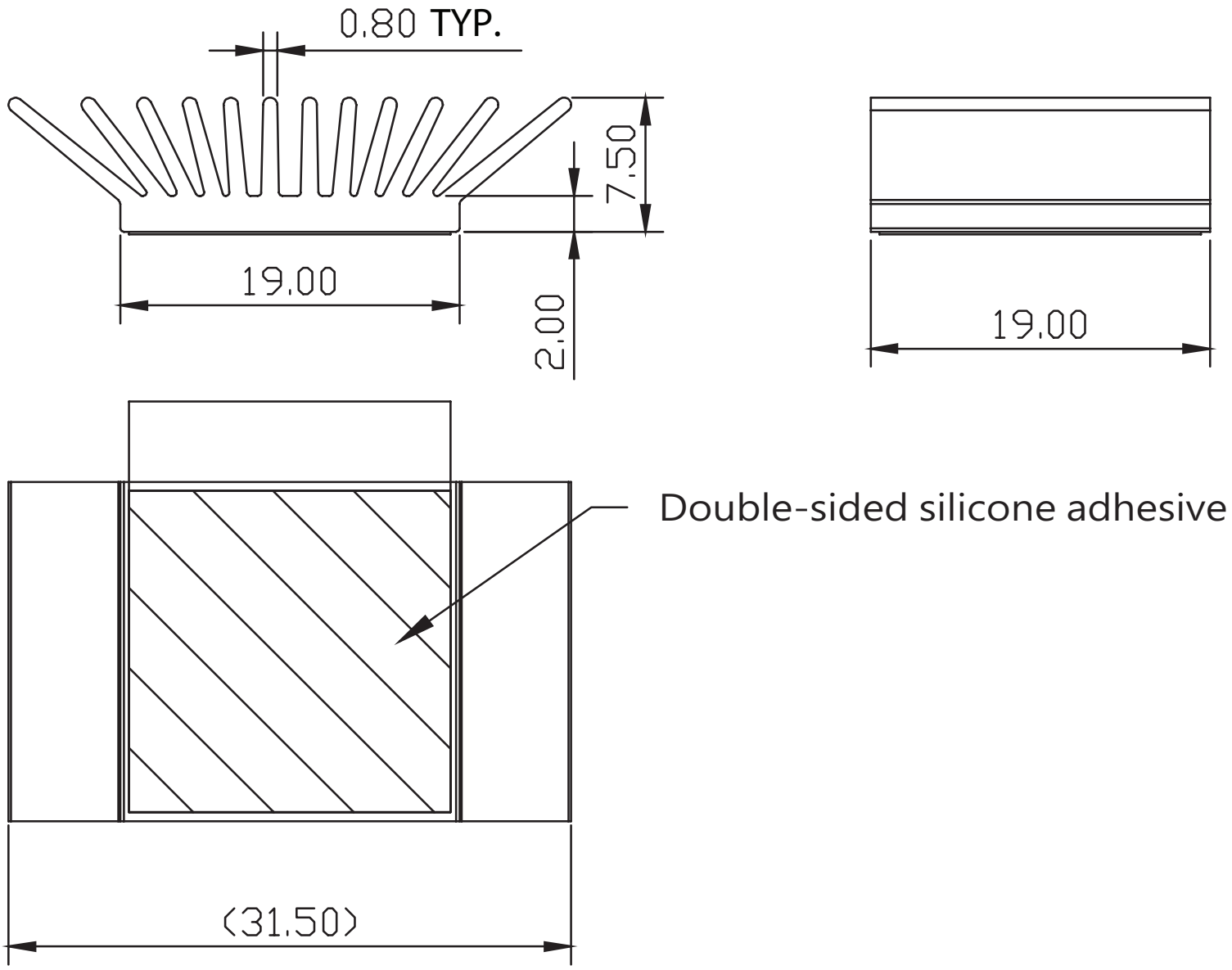
Ths: "hot spot" temperature measured on the heatsink
Ta: ambient temperature



MECHANICAL DRAWING

units: mm
tolerance: ±0.5 mm

MATERIAL	AL 6063-T5
FINISH	blue anodized
WEIGHT	6.09 g



REVISION HISTORY

rev.	description	date
1.0	initial release	04/20/2022
1.01	logo, datasheet style update	08/05/2022
1.02	CUI Devices rebranded to Same Sky	09/12/2024
1.03	product reengineered for improved manufacturability and production yield, see PCN for details	12/15/2025

The revision history provided is for informational purposes only and is believed to be accurate.

Same Sky offers a one (1) year limited warranty. Complete warranty information is listed on our website.

Same Sky reserves the right to make changes to the product at any time without notice. Information provided by Same Sky is believed to be accurate and reliable. However, no responsibility is assumed by Same Sky for its use, nor for any infringements of patents or other rights of third parties which may result from its use.

Same Sky products are not authorized or warranted for use as critical components in equipment that requires an extremely high level of reliability. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.